

PATENT ABSTRACTS OF JAPAN

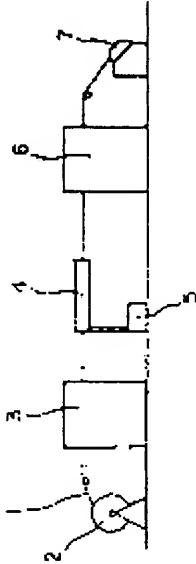
(11)Publication number : **62-181123**(43)Date of publication of application : **08.08.1987**

(51)Int.CI.

B29C 55/00
// B29K 23:00(21)Application number : **61-024876**(71)Applicant : **NIPPON TELEGR & TELEPH CORP
<NTT>**(22)Date of filing : **06.02.1986**(72)Inventor : **NAKAGAWA KOICHI
AMANO MICHYUKI****(54) PREPARATION OF POLYETHYLENE DRAWN BODY****(57)Abstract:**

PURPOSE: To obtain a polyethylene drawn body having high elastic modulus by using polyoxymethylene as a heat-inducing body for micro-wave heating of polyethylene.

CONSTITUTION: A sample to be drawn 1 prepared by adding polyoxymethylene to high density polyethylene is passed through a micro-wave heating oven 4 and set on feed rolls 3 and draw-off rolls 6. Then, drawing starts with a specified feeding speed. While slowly increasing the output of an oscillator and the draw-off speed, the drawing is carried out at a specified draw ratio. As polyoxymethylene is used as a heat-inducing body for micro-wave heating, polyoxymethylene itself is oriented and crystallized and comes to have higher strength during micro-wave heating and drawing and it becomes thereby possible to heat and draw polyethylene by means of micro-wave heating. As the result, it is possible to obtain a polyethylene drawn body of large diameter having high elastic modulus.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]